



NETWORKS

ESB Networks DAC

Statement of Charges

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Commercial and Renewable Regulation
Asset Management
ESB Networks Designated Activity Company

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1. About this document.

This document lists the current connection charges, distribution use of system charges (DUoS) and other service charges applied by ESB Networks Designated Activity Company (ESBN) in its role as Distribution System Operator.

The charges are based on procedures and policies as approved by CRU. Each section is preceded by a section which sets out the high level basis for the charges and the underlying policies associated with the charges.

Where the basis of charges for a section is too large to be included in this document, a separate Basis of Charges document is referenced and available for download separately.

Scope

This document lists the Standard Connection Charges for providing individual connection points for users of the Distribution System. In some cases a non-standard charging mechanism may need to be applied which is not covered by this document. For situations where non-standard connection charges apply see the Basis of Charges for Connection to the Distribution System document.

This document also lists the Distribution Use of System charges that apply once a connection has been connected. Also included in this document are the current standard charges for various ancillary services provided to electricity suppliers and customers.

This document does not describe the underlying policies and procedures associated with the charges or the connection process itself. These are described in more detail in the following documents which can be found on ESNB website <http://www.esb.ie/esbnetworks/>

Associated Documentation

Document Title	Source
Basis of Charges for Connection to the Distribution System	DSO
Rules for Application of Distribution Use of System Tariff Group	DSO
Rules for Application of Transactional Charges for Additional Services to Use the System	DSO
Guide to the Process for Connection to the Distribution System	DSO
Distribution System Security and Planning Standards (demand customers only)	DSO
Business Parks Policy	DSO

Implementation and Review

ESBN's duty of non-discrimination requires that these charges be applied consistently and fairly, in all situations and in all locations by ESNB.

In addition, ESNB will implement a system to monitor the overall implementation of the charges to ensure that revenue is consistent with the amounts billed.

Definitions of Terms Used in This Document

In general, the definitions of terms used in this document are the same as in the General Conditions for Connection of Industrial and Commercial Customers to the Distribution System, see 1.0 Definitions and Interpretation, p 3 – 9. The definitions of terms particular to this document are given below.

Term	Definition
Design costs	The actual estimated cost of constructing network
Dedicated Connection Asset	Electrical network (lines, cables, switchgear etc.) used to connect a single user to the transmission or distribution system. The connection asset is specific to the user and does not form part of the connection to any other user.
Distribution System Operator (DSO)	ESBN in its role as Distribution System Operator licence holder.
HV Network	Network operating at 38kV or more
Least-cost technically-acceptable solution	The term that describes the cheapest connection method that meets the requirements in the Planning and Security Standards and the Distribution Code
MV Network	Network operating at 10kV or 20kV
LV Network	Network operating at 240V – 380V
Maximum Export Capacity (MEC)	The amount of electricity referred to as being the “Maximum Export Capacity” in the Connection Agreement.
Maximum Import Capacity (MIC)	The amount of electricity referred to as being the “Maximum Import Capacity” in the Connection Agreement.
Service	A domestic service is an underground cable from a minipillar or pole, or overhead conductors from a pole. Overhead conductors may be bare separate conductors or insulated (bundled) conductors.
Service Alteration	This is defined as any situation where the service cable or conductors have to be disconnected and subsequently reconnected at the customer’s meter.

2. Charges for Connection to the Distribution System

About this Section.

This section lists the current charges for connection to the distribution system. The charges stated in this section of the document are based on charging procedures and policies as approved by CRU and are detailed in the Basis of Charges for Connection to the Distribution System document.

Domestic Connection Charges – Single Connection.

The charges in the table below are standard charges for a connection to a single rural or urban house which is not part of a multi-unit residential or mixed development.

Table 2.1 Domestic Connection Charges – Single Connection		
Description	Maximum Import Capacity kVA	Connection Charge including VAT
Standard Connection 1	12kVA	€1,947
Enhanced Connection (conditions apply)	16kVA	€2,638
Upgrade Connection (conditions apply)	12kVA to 16kVA	€1,158
Family Apartment	12kVA	€180
Non-Dwelling Farm Building	3kVA	50% of design costs
Special Connection (single phase)	20kVA	€1,804 + MV Network Charges
Special Connection (single phase)	29kVA	€2,416 + MV Network Charges
Special Connection (three phase)	20kVA	€2,516 + MV Network Charges
Special Connection (three phase)	29kVA	€3,230 + MV Network Charges
Capacities ≥30 kVA	≥30kVA	N/A - See Business Connection Charges.

¹ This level is to meet European Standard EN50160

Domestic Connection Charges – 2 to 19 Houses

The charges in the table below are standard charges for connection to houses which form part of a simple domestic development (Housing Scheme) with individual services but not part of a mixed business and domestic apartment development.

Table 2.2 Standard Charges for Small Domestic Developments (2-19 Houses) excluding VAT Connection Capacity 12kVA only														
No. of Houses	Charges for 2 to 4 houses where the average length of roadway per house is up to a max of 50m													
2	€2,210 see footnote													
3	€2,705 see footnote													
4	€3,200 see footnote													
No. of Houses	Charges for 5 to 8 houses where the average length of roadway per house is up to a max of 14m													
5	€3,695													
6	€4,190													
7	€4,685													
8	€5,180													
Charges for 9 - 19 houses average length of roadway per house as shown														
No. of Houses	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m
9	5,027	5,170	5,347	5,498	5,675	5,818	5,970	6,130	6,282	6,433	6,602	6,762	6,922	7,073
10	5,441	5,602	5,801	5,971	6,170	6,331	6,502	6,682	6,852	7,023	7,212	7,392	7,572	7,743
11	5,855	6,034	6,255	6,444	6,665	6,844	7,034	7,234	7,423	7,613	7,823	8,023	8,223	8,413
12	6,269	6,465	6,709	6,917	7,160	7,357	7,565	7,785	7,994	8,202	8,434	8,654	8,874	9,082
13	6,683	6,897	7,163	7,390	7,655	7,870	8,097	8,337	8,565	8,792	9,045	9,285	9,525	9,752
14	7,096	7,329	7,616	7,863	8,150	8,383	8,629	8,889	9,135	9,382	9,655	9,915	10,175	10,422
15	7,510	7,761	8,070	8,336	8,645	8,896	9,161	9,441	9,706	9,971	10,266	10,546	10,826	11,091
16	7,924	8,193	8,524	8,809	9,140	9,409	9,693	9,993	10,277	10,561	10,877	11,177	11,477	11,761
17	8,338	8,625	8,978	9,281	9,635	9,921	10,225	10,545	10,848	11,151	11,488	11,808	12,128	12,431
18	8,752	9,056	9,432	9,754	10,130	10,434	10,756	11,096	11,418	11,741	12,098	12,438	12,778	13,101
19	9,166	9,488	9,886	10,227	10,625	10,947	11,288	11,648	11,989	12,330	12,709	13,069	13,429	13,770

¹ For two, three and four house domestic developments an upper limit of 50 metres average length of roadway per house applies.

Domestic Scheme Connection Charges – 20 Houses or more

The table below lists the standard charges for houses in domestic developments where there are twenty or more houses, each with a MIC of 12kVA

Table 2.3 Standard Charges for Housing Schemes (20 houses or more) excluding VAT Connection Capacity 12kVA only														
Average Length of Roadway per House														
	1m	2m	3m	4m	5m	6m	7m	8m	9m	10m	11m	12m	13m	14m
Charge per House	€479	€496	€517	€535	€556	€573	€591	€610	€628	€646	€666	€685	€704	€722

Notes:

Multiple Connections of MIC >12 kVA are charged at 50% of Design Costs

Domestic Connection Capacities of MIC > = 30 kVA are treated under Business Charges

Where the average length of roadway per house exceeds 14m, 50% of Design Costs are charged

LV Business Demand Customer Connection Charges

Table 2.4 LV Business Demand Customer Connection Charges (MIC 2kVA to 1000kVA)	
LV Single Phase < 2kVA	
Connection Method	Standard Charge (per installation)
10m clipped service	€260.00
50m UG only	€340.00
50m UG joint hole	€1,020.00
50m UG (Br Joint)	€1,760.00
LV OH/UG <200m	€1,630.00
Pole & Transformer	€2,800.00
LV Single Phase Connection < 30kVA	
MIC (kVA)	Standard Charge
15	€1,210.00
30	€2,040.00
LV Three Phase Connection	
MIC (kVA)	Standard Charge
15	€1,740.00
30	€2,750.00
50	€3,800.00
75	€5,030.00
100	€6,120.00
150	€7,730.00
200	€8,560.00
250	€8,870.00
300	€9,280.00
350	€9,950.00
400	€10,620.00
450	€11,840.00
Note: Due to higher capacity charges and higher DUoS charges, LV connections greater than 500kVA may not be economical for the customer. However, the remainder of this Table may be used for small increases where technically possible.	
LV Three Phase Connection	
MIC (kVA)	Standard Charge
500	€12,510.00
550	€13,910.00
600	€15,350.00
650	€16,530.00
700	€17,960.00
750	€19,370.00
800	€20,810.00
850	€22,240.00
900	€23,660.00
950	€25,090.00
1000	€26,540.00

MV Single Business Demand Customer Connection Charges

Table 2.5	
MV Business Demand Customer Connection Charges	
(MIC 100kVA to 5MVA)	
MV Three Phase Connection (10kV or 20kV)	
MIC	Standard Charge
≤ 500	€9,040
600	€10,500
700	€12,120
800	€13,570
900	€15,140
1,000	€17,070
1,200	€20,140
1,400	€23,190
1,600	€26,230
1,800	€29,320
2,000	€32,370
2,200	€35,440
2,400	€38,500
2,500	€39,970
2,600	€41,550
2,800	€44,640
3,000	€47,700
3,200	€50,780
3,400	€53,800
3,600	€56,890
3,800	€59,940
4,000	€63,000
4,200	€74,090
4,400	€85,890
4,600	€108,060
4,800	€131,090

Table 2.6	
MV Business Demand Customer Connection Charges	
(MIC 5MVA to 15MVA)	
MV Three Phase Connection (10kV or 20kV)	
MIC	Standard Charge (per installation)
5,000	€154,870
5,200	€179,660
5,400	€205,200
5,600	€222,240
5,800	€240,190
6,000	€259,000
6,200	€278,530
6,400	€299,120
6,600	€320,410
6,800	€342,720
7,000	€365,750
7,200	€389,650
7,400	€414,460
7,600	€440,140
7,800	€466,680
8,000	€494,100
8,200	€505,760
8,400	€517,430
8,600	€529,110
8,800	€540,750
9,000	€552,430
9,200	€564,090
9,400	€575,770
9,600	€587,420
9,800	€599,100
MV Three Phase Connection (20kV Only)	
MIC	Standard Charge (per installation)
10,000	€610,770
10,200	€645,030
10,400	€680,340
10,600	€716,490
10,800	€753,690
11,000	€791,750
11,200	€830,700
11,400	€870,640
11,600	€911,480
11,800	€953,180
12,000	€995,910
12,200	€1,039,640
12,400	€1,084,280
12,600	€1,129,770
12,800	€1,176,180
13,000	€1,223,540
13,200	€1,271,990
13,400	€1,321,110
13,600	€1,371,440
13,800	€1,422,490
14,000	€1,474,550
14,200	€1,527,640
14,400	€1,581,450
14,600	€1,636,410
14,800	€1,692,130
15,000	€1,748,850

**Table 2.7
MV Business Demand Customer Connection Charges
(MIC 15MVA to 20MVA)**

Note that due to network constraints MV connections over 15MVA may not be offered. However, this Table may be used for small increases where technically possible.

MV 3 Phase Connection (20kV only)

MIC	Standard Charge (Per installation)
15,000	€1,748,850
15,200	€1,772,190
15,400	€1,795,530
15,600	€1,818,990
15,800	€1,842,330
16,000	€1,865,680
16,200	€1,889,020
16,400	€1,912,360
16,600	€1,935,680
16,800	€1,959,000
17,000	€1,982,330
17,200	€2,005,680
17,400	€2,029,000
17,600	€2,052,350
17,800	€2,075,680
18,000	€2,099,160
18,200	€2,122,480
18,400	€2,145,820
18,600	€2,169,140
18,800	€2,192,490
19,000	€2,215,800
19,200	€2,239,160
19,400	€2,262,480
19,600	€2,285,830
19,800	€2,309,150
20,000	€2,332,480

Note: The standard charge for 38kV connections is the same as the standard charge for the MIC level at MV and can be taken from the MV table.

**Table 2.8
MV Business Demand Customer Connection Charges
(MIC 20MVA to 25MVA)**

Note that due to network constraints MV connections over 15MVA may not be offered. However, this Table may be used for small increases where technically possible.

MV 3 Phase Connection (20kV only)

MIC	Standard Charge (per installation)
20,200	€2,355,970
20,400	€2,379,290
20,600	€2,402,630
20,800	€2,425,960
21,000	€2,449,320
21,200	€2,472,630
21,400	€2,495,980
21,600	€2,519,300
21,800	€2,542,630
22,000	€2,565,970
22,200	€2,589,320
22,400	€2,612,640
22,600	€2,636,120
22,800	€2,659,460
23,000	€2,682,780
23,200	€2,706,120
23,400	€2,729,450
23,600	€2,752,790
23,800	€2,776,130
24,000	€2,799,460
24,200	€2,822,820
24,400	€2,846,150
24,600	€2,869,470
24,800	€2,892,940
25,000	€2,916,260

Note: The standard charge for 38kV connections is the same as the standard charge for the MIC level at MV and can be taken from the MV table.

MV Network Charges and Trenching Charges

Table 2.9	
MV Network Charges and Trenching Charges	
MV Overhead Line	
Network	Charge for New Network € per metre + VAT
Single Phase (Unmetered)	€11.20
Single Phase (Metered)	€5.50
3 Phase (< 5MVA)	€9.00
3 Phase (>= 5MVA)	€11.50
MV Underground Cable	
Network	Charge for New Cable € per metre + VAT
Single Phase (Unmetered)	€16.40
Single Phase (Metered)	€8.10
3 Phase (70/185s)	€16.20
3 Phase (400s)	€26.50
Trenching Charges	
Trenching Location	Charge € per metre + VAT
Road/Path	€148.60
Grass	€53.30

Supplementary MV Network Charges

Table 2.10								
Business Demand Customer Supplementary MV Charges								
where MV MIC > 500kVA and > 7km from the station								
	Km							
kVA	8	9	10	11	12	13	14	15
600	€1,100	€2,300	€3,400	€4,600	€5,700	€6,800	€8,000	€9,100
700	€2,300	€4,600	€6,800	€9,100	€11,400	€13,700	€15,900	€18,200
800	€3,400	€6,800	€10,300	€13,700	€17,100	€20,500	€23,900	€27,300
900	€4,600	€9,100	€13,700	€18,200	€22,800	€27,300	€31,900	€36,400
1000	€5,700	€11,400	€17,100	€22,800	€28,500	€34,200	€39,900	€45,600
1100	€6,800	€13,700	€20,500	€27,300	€34,200	€41,000	€47,800	€54,700
1200	€8,000	€15,900	€23,900	€31,900	€39,900	€47,800	€55,800	€63,800
1300	€9,100	€18,200	€27,300	€36,400	€45,600	€54,700	€63,800	€72,900
1400	€10,300	€20,500	€30,700	€41,000	€51,200	€61,500	€71,700	€82,000
1500	€11,400	€22,800	€34,200	€45,600	€56,900	€68,300	€79,700	€91,100
1600	€12,500	€25,100	€37,600	€50,100	€62,600	€75,200	€87,700	€100,200
1700	€13,700	€27,300	€41,000	€54,700	€68,300	€82,000	€95,700	€109,300
1800	€14,800	€29,600	€44,400	€59,200	€74,000	€88,800	€103,600	€118,400
1900	€15,900	€31,900	€47,800	€63,800	€79,700	€95,700	€111,600	€127,600
2000	€17,100	€34,200	€51,200	€68,300	€85,400	€102,500	€119,600	€136,700

Supplementary 38kV Network Charges

Table 2.11
Business Demand Customer Supplementary 38kV Charges
where 38kV MIC > 2500kVA and connected to circuits longer than 18km

kVA	Km								
	20	25	30	35	40	45	50	55	60
3000	€ 2,100	€ 7,200	€ 12,400	€ 17,600	€ 22,700	€ 27,900	€ 33,100	€ 38,200	€ 43,400
3500	€ 4,100	€ 14,500	€ 24,800	€ 35,100	€ 45,500	€ 55,800	€ 66,100	€ 76,500	€ 86,800
4000	€ 6,200	€ 21,700	€ 37,200	€ 52,700	€ 68,200	€ 83,700	€ 99,200	€ 114,700	€ 130,200
4500	€ 8,300	€ 28,900	€ 49,600	€ 70,300	€ 90,900	€ 111,600	€ 132,300	€ 152,900	€ 173,600
5000	€ 10,300	€ 36,200	€ 62,000	€ 87,800	€ 113,700	€ 139,500	€ 165,300	€ 191,200	€ 217,000
5500	€ 12,400	€ 43,400	€ 74,400	€ 105,400	€ 136,400	€ 167,400	€ 198,400	€ 229,400	€ 260,400
6000	€ 14,500	€ 50,600	€ 86,800	€ 123,000	€ 159,100	€ 195,300	€ 231,500	€ 267,600	€ 303,800
6500	€ 16,500	€ 57,900	€ 99,200	€ 140,500	€ 181,900	€ 223,200	€ 264,500	€ 305,900	€ 347,200
7000	€ 18,600	€ 65,100	€ 111,600	€ 158,100	€ 204,600	€ 251,100	€ 297,600	€ 344,100	€ 390,600
7500	€ 20,700	€ 72,300	€ 124,000	€ 175,700	€ 227,300	€ 279,000	€ 330,700	€ 382,300	€ 434,000
8000	€ 22,700	€ 79,600	€ 136,400	€ 193,200	€ 250,100	€ 306,900	€ 363,700	€ 420,600	€ 477,400
8500	€ 24,800	€ 86,800	€ 148,800	€ 210,800	€ 272,800	€ 334,800	€ 396,800	€ 458,800	€ 520,800
9000	€ 26,900	€ 94,000	€ 161,200	€ 228,400	€ 295,500	€ 362,700	€ 429,900	€ 497,000	€ 564,200
9500	€ 28,900	€ 101,300	€ 173,600	€ 245,900	€ 318,300	€ 390,600	€ 462,900	€ 535,300	€ 607,600
10000	€ 31,000	€ 108,500	€ 186,000	€ 263,500	€ 341,000	€ 418,500	€ 496,000	€ 573,500	€ 651,000

Notes on Business Demand Customer Connection Charges

1. The standard charge includes the appropriate transformer capacity charge and the direct cost of connection and metering. MV overhead lines, MV underground cables and trenching where carried out by ESNB are charged separately on a "euro per metre" (€/m) basis. A revenue allowance has been given where appropriate.
2. MV overhead line is charged on a "euro per metre" (€/m) basis. The €/m for 3ph MV up to 5MVA is weighted to include 150's AL, 92's SCA, 50's CU and 50's SCA based on total km of each conductor type used, above 5MVA the €/m is based on 150's AL. The €/m charge for 1ph is based on 50's SCA. Both 1ph and 3ph €/m charges are weighted to include bog, rock and standard ground conditions.
3. MV underground cable is charged on a "euro per metre" (€/m) basis, 3 x 70/185's and 3 x 400's XLPE are separately shown. Trenching is not included and if carried out by ESNB is charged on a €/m basis.
4. Additional charge where trenching (MV or LV) is carried out by ESNB. The charge is weighted for footpaths and roadways in concrete or bitmac. Granite footpaths not included. Separate charge is shown for trenching in grass.
5. The standard charge includes 38 kV and MV capacity charges. A supplementary charge is added if the entire MV circuit exceeds 7.0 km and MIC exceeds 500kVA. A supplementary charge is added if the entire 38kV circuit exceeds 18.0 km and MIC exceeds 2500kVA. Details on Table 2.10 and 2.11
6. LV connections in the range 500 kVA - 1000 kVA are possible but due to charges for MV/LV transformer capacity (as well as MV & 38 kV capacity charges) they are more costly. Details on Table 2.4.
7. The standard charge for 38kV connections is the same as the standard charge for the MIC level at MV and can be taken from the MV table. A supplementary charge must be added if the entire 38kV circuit length exceeds 18.0 km and the MIC exceeds 2500 kVA, details on Table A9. New 38kV Lines/Cables charged at 50%.
8. For MIC > 5MVA, any new 38kV/110kV network is chargeable as a capital contribution at 50% of Attributable Costs. The Attributable Cost of the 38kV/110kV network is determined as a proportion of the firm capacity of the station taken up by the customer. If the customer was taking up 60% of the station then the customer would be charged 50% of 60% of the cost of the 38kV/110kV lines / cables. e.g. MIC 15MVA, new 110kV line to new station required, station a 2x20MVA station with a firm capacity of 25MVA, customer charged 50% of 15/25ths (MIC/Firm Capacity 15MVA/25MVA) of the cost of the new 110kV line.

For further clarification, please refer to the "*Basis of Charges for Connection to the Distribution System Document*".

3. Distribution Use Of System (DUoS) Charges

About this Section

This Section sets out the charges that apply for use of the Distribution System by Connected Customers. These charges are normally passed on to the Customer's Electricity Supplier and are applied using rules approved by CRU which are contained in the document titled Rules for Application of DUoS Tariff Group. The tables contained in the schedule below set out the current charges as they are applied to the various DUoS groupings. The charges in each table are not inclusive of VAT.

Schedule of Non- Maximum Demand DUoS Group Tariff Groups (DG1 to DG5b)

Table 3.1 DUoS Group 1 (DG1) Urban Domestic Customers			
	Charge Unit	Standard Meter	Day and Night Meter
		€	€
Standing Charge	Per Customer per annum	65.53	65.53
		c	c
Unit Rates	Per kWh 24 Hour	3.918	N/A
	Per kWh Day	N/A	4.809
	Per kWh Night		0.611

Table 3.2 DUoS Group 2 (DG2) Rural Domestic Customers			
	Charge Unit	Standard Meter	Day and Night Meter
		€	€
Standing Charge	Per Customer per annum	95.58	95.58
		c	c
Unit Rates	Per kWh 24 Hour	3.918	N/A
	Per kWh Day	N/A	4.809
	Per kWh Night		0.611

Table 3.3 DUoS Group 3 (DG3) Unmetered Connections inc. Public Lighting

	Charge Unit	C
Unit Rates	Per kWh	3.301

Table 3.4 DUoS Group 4 (DG4) Local Authority Unmetered Connections inc. Public Lighting

	Charge Unit	C
Unit Rates	Per kWh (ex. DG4 premium) ¹	3.301

Special Notes for tariff groups DG3 and DG4

1. DUoS Group 3 applies to unmetered public lighting connections and other business connections² with loads up to and including 2kVA³.
2. The DG4 Use of System tariff will apply to all unmetered public lighting and other unmetered load types where the registered customer is a local authority. Relevant Local Authorities include: Dublin Corporation, County Councils, Urban Councils, Borough Councils and the NRA. Public Lighting registered to Private Developers, Private Public Partnerships and Harbour and Port Authorities will continue to be billed on DG3 Use of System tariff.
3. The DG4 tariff is based on the DG3 tariff, and also incurs an additional charge in accordance with the agreement between ESB Networks and the City and County Managers Association in respect of additional costs incurred on public lighting installations incurred by ESB Networks on behalf of local authorities.
4. The load types covered by the DG4 tariff cover all Public Lights types including LEDs, PEDs, Bollards, Beacons, etc.
5. The DG4 tariff commenced on 1st January 2011.

¹ The DG4 tariff also incurs an additional premium in respect of additional costs incurred on public lighting installations. This premium is 0.01 c/kWh but it is currently being reviewed. See Notes above.

² For example connections to street furniture, kiosks and bus shelters.

³ This is in accordance with the Rules for Application of DUoS Group approved by CER in September 2004. Public lighting loads and other business connections greater than 2kVA are metered.

**Table 3.5 DUoS Group 5 (DG5) and DUoS Group 5b (DG5b)
Low Voltage Business Customers (non Maximum Demand)**

	Charge Unit	Standard Meter	Day and Night Meter
		€	€
Standing Charge	Per Customer per annum	94.27	94.27
		c	C
Unit Rates	Per kWh All Units	4.351	N/A
	Per kWh Day	N/A	5.088
	Per kWh Night		0.622
Low Power Factor Surcharge	Per kVArh	1.009	1.009

**Table 3.6 DUoS Group 5a (DG5a) Low Voltage Autoproducers MEC > MIC
(non Maximum Demand)**

	Charge Unit	Standard Meter	Day and Night Meter
		€	€
Standing Charge	Per Customer per annum	N/A	N/A
		c	C
Unit Rates	Per kWh All Units	4.351	N/A
	Per kWh Day	N/A	5.088
	Per kWh Night		0.622
Low Power Factor Surcharge	Per kVArh	1.009	1.009

Notes for tariff groups DG1, DG2, DG5, DG5a & DG5b:

1. The hours during which the day and night charges apply for non quarter-hourly metered customers are controlled by time switches at the customer's premises. The day rate is applicable to kWh metered between 8.00 a.m. and 11.00 p.m. (GMT). As no alterations are made to time switches at the beginning and end of summertime, the hours during the summer time are one hour later (i.e. 9.00am to 12.00am). For quarter-hourly metered customers day rates apply 8.00 am to 11.00pm summer and winter.
2. The night c/kWh rates are applicable to night storage heating, which is separately metered and controlled by a time switch.
3. The published Standing Charges are per annum, actual charges are pro-rated per billing period.
4. For low voltage non-domestic customers, the low power factor surcharge applies to all kVArh recorded in any two monthly period if:
 - The metered kVArh is more than one third of the metered kWh in any two monthly period. The charge is applicable to the kVArh in excess of one third of the kWh.
 - The Low Power Factor Surcharge does not apply to customers with MEC>0.
5. For combined residential and business premises, DUoS Group 5 (DG5) rates will apply.
6. An Autoproducer (AP) is as defined in CRU's Direction CER03/237.
7. DUoS Group 5 or DUoS Group 5b apply to low voltage APs and CHP producers (non Maximum Demand):
 - With Maximum Import Capacity (MIC) > Maximum Export Capacity (MEC); or,
 - Who have not bought out their connection agreement.

Where such APs and CHPs have on-line interval metering installed, the DG5b tariff will apply; this means that the unit charges will be calculated based on netted consumption.

Where such APs and CHPs do not have on-line metering installed the DG5 tariff applies.

DUoS Group 5a applies to generators (including autoproducers) which have an MEC greater than the MIC and which have paid 100% of the connection costs.

Schedule of Maximum Demand Tariff Groups (DG6 to DG9b)

**Table 3.7 DUoS Group 6 (DG6) and DUoS Group 6b (DG6b)
Low Voltage Business Customers (Maximum Demand)**

	Charge Unit	€
Standing Charge	Per Customer per annum	879.38
Capacity Charge	Per kVA of MIC per annum	32.82
		C
Unit Rates	Per kWh Day	2.589
	Per kWh Night	0.305
Low Power Factor Surcharge	Per kVArh	0.922

**Table 3.8 DUoS Group 6a (DG6a) Low Voltage Autoproducers MEC > MIC
(Maximum Demand)**

	Charge Unit	€
Standing Charge	Per Customer per annum	N/A
Capacity Charge	Per kVA of MIC per annum	N/A
		c
Unit Rates	Per kWh Day	2.589
	Per kWh Night	0.305
Low Power Factor Surcharge	Per kVArh	0.922

**Table 3.9 DUoS Group 7 (DG7) and DUoS Group 7b (DG7b)
Medium Voltage Customers (Maximum Demand)**

	Charge Unit	€
Standing Charge	Per Customer per annum	1550.00
Capacity Charge	Per kVA of MIC per annum	11.33
		c
Unit Rates	Per kWh Day	0.448
	Per kWh Night	0.070
Low Power Factor Surcharge	Per kVArh	0.809

Table 3.10 DUoS Group 7a (DG7a) Medium Voltage Autoproducers MEC > MIC (Maximum Demand)

	Charge Unit	€
Standing Charge	Per Customer per annum	N/A
Capacity Charge	Per kVA of MIC per annum	N/A
		c
Unit Rates	Per kWh Day	0.448
	Per kWh Night	0.070
Low Power Factor Surcharge	Per kVArh	0.809

**Table 3.11 DUoS Group 8 (DG8) and DUoS Group 8b (DG8b)
38 kV Looped Customers (Maximum Demand)**

	Charge Unit	€
Standing Charge	Per Customer per annum	25,983.81
Capacity Charge	Per kVA of MIC per annum	5.58
		C
Unit Rates	Per kWh Day	0.099
	Per kWh Night	0.007
Low Power Factor Surcharge	Per kVArh	0.760

**Table 3.12 DUoS Group 8a (DG8a)
38 kV Looped Autoproducers MEC > MIC (Maximum Demand)**

	Charge Unit	€
Standing Charge	Per Customer per annum	N/A
Capacity Charge	Per kVA of MIC per annum	N/A
		c
Unit Rates	Per kWh Day	0.099
	Per kWh Night	0.007
Low Power Factor Surcharge	Per kVArh	0.760

**Table 3.13 DUoS Group 9 (DG9) and DUoS Group 9b (DG9b)
38kV Tailed Customers (Maximum Demand)**

	Charge Unit	€
Standing Charge	Per Customer per annum	7,401.40
Capacity Charge	Per kVA of MIC per annum	5.58
		C
Unit Rates	Per kWh Day	0.099
	Per kWh Night	0.007
Low Power Factor Surcharge	Per kVArh	0.760

**Table 3.14 DUoS Group 9a (DG9a) 38kV Tailed Autoproducers MEC > MIC
(Maximum Demand)**

	Charge Unit	€
Standing Charge	Per Customer per annum	N/A
Capacity Charge	Per kVA of MIC per annum	N/A
		C
Unit Rates	Per kWh Day	0.099
	Per kWh Night	0.007
Low Power Factor Surcharge	Per kVArh	0.760

Notes for Maximum Demand Tariff Groups (DG6 to DG9b)

1. DG6, DG6a and DG6b: The hours during which the day and night charges apply for non quarter-hourly metered customers are controlled by time switches at the customer's premises. The day rate is applicable to kWh metered between 8.00 a.m. and 11.00 p.m. (GMT). As no alterations are made to time switches at the beginning and end of summertime, the hours during the summer time are one hour later (i.e. 9.00am to 12.00am). For quarter-hourly metered customers day rates apply 8.00 am to 11.00 pm summer and winter.
2. DG7, DG7a, DG7b, DG8, DG8a, DG8b, DG9, DG9a, DG9b: Night rates apply from 11.00 pm. to 8.00 am summer and winter.
3. The low power factor surcharge applies when the metered kVAh is more than one third of the metered kWh in any two monthly period where NQH metering is installed or any monthly period where on-line interval (QH) metering is installed. The charge is applicable to the kVAh in excess of one third of the kWh for the billing period.

The Low Power Factor Surcharge does not apply to customers with $MEC > 0$.

4. The published Standing Charges and Capacity Charges are per annum, actual charges will be pro-rated per billing period.
5. In the event that the peak demand (in kVA), exceeds the maximum import capacity (MIC), a surcharge of 6 x capacity charge rate x excess kVA will apply in the billing period for NQH installations and 5 x capacity charge rate x excess kVA for QH installations in the billing period, during which the MIC was exceeded. Please note that for autoproducers or generators, in the event that peak demand exceeds their MIC, the surcharge which will apply will be as per other customers in the DG group e.g. if autoproducer is DG6a, then the surcharge to apply will be as per DG6.
6. Where there are two connections at different voltages at the same connection point, i.e. to a single site, the relevant DUoS charges apply in full to each connection.
7. Tariff groups 6, 7, 8, 9 or 6b, 7b, 8b, 9b apply to APs and CHP Producers (MD) where:
 - These APs and CHP producers have an $MIC > MEC$; or,
 - These APs and CHP producers have not bought out their connection agreement.Where such APs and CHPs have on-line interval metering installed, the relevant DGb tariff will apply; this means that the unit charges will be calculated based on netted consumption. Where such APs and CHPs do not have on-line metering installed the relevant DG tariff applies.

The relevant DGa tariff will apply to generators (including autoproducers) which have an MEC greater than the MIC and which have paid 100% of the connection costs.

4. Charges for Distribution Services and Third Party Damage

About This Section

This section lists the charges that apply for miscellaneous services requested by customers from ESNB. It also sets out the standardised charges that apply where a third party damages ESB plant or equipment. Other non standardised charges may be payable in some instances where ESB plant or equipment is damaged by a third party.

Background

This section summarises the background and the reasons for the application of Standard Charges for Distribution Services and Third Party Damage as follows:

- ESNB provides a range of distribution services in addition to connections and metering services for supply companies. These services are usually initiated by the owner (or tenant) of the premises and include alterations to the method of connection and responding to 'no supply' calls.
- ESNB does not recoup the costs involved in the above additional services, either through the DUoS charges or the 'Schedule of Transactional Charges' or the 'Charges for Connection to the Distribution System'. In the interest of 'economic efficiency' and all users of the Distribution System, ESB Networks needs to apply appropriate charges for these services.
- ESNB is obliged to apply 'equality of treatment' when responding to and carrying work for all users of the Distribution System. For this reason, the application of Standard Charges will ensure that all such users are required to pay the same amounts for the various types of additional services.
- ESNB incurs substantial damages to underground cables, electrical equipment and overhead networks as a result of activities by excavation contractors, members of the public and other third parties. Such damages can have serious safety implications as well as compromising the continuity of supply and necessitating expensive repairs. It is necessary to charge for these repairs in order to recoup the costs involved to discourage such damages in the future.

Basis for Charges

The Standard Charges are based on the average actual costs incurred in providing the services and/or the carrying out of the work involved. All work is carried out on the basis of the Least Cost Technically Acceptable Design.

Schedule of Distribution Service Charges

Table 4.1 Schedule of Distribution Service Charges			
Service Type	Description	Basis for Charge	Cost (€) including VAT
Service Alteration	Alteration to an overhead or underground domestic service, at the request of the customer – including an alteration necessitated by a request to relocate a meter. This charge also applies on alterations associated with the installation of External Wall Insulation.	Cost of a typical new underground service	411
Re-wire at the meter / ESB main fuse	Adjust the connections to the meter / ESB main fuse - necessitated by the customer making changes to his / her electrical installation.	Average cost of carrying out this work	167
Fire Call Out	Call out to a fire at the request of the fire brigade.	The average Call Out duration	136
Single Customer Fault Call Out	Call out at the request of the customer in response to a 'no supply' situation to replace the ESB main fuse between 11 pm and 08.30 am. This charge also applies in all instances where the fault is found to be on the customer's side of the meter.	The average Call Out duration	136
Re-design Housing Scheme	Where ESB design staff are required to re-design or modify a housing scheme to accommodate additional units or a change in layout and/or where ESB Central Site staff have already 'patched in' the developers' original site layout map.	As per agreement with the IHBA	666
Site Revisit	This charge applies where ESB staff have to leave a site and return at a later date due to the customer's works being incomplete e.g. unfinished ducting or incorrectly installed meter box.	Average cost of the associated lost time	322
Revenue Protection: Inspect and re-seal	Where meter seals have been discovered to be broken (perhaps by a meter reader). ESB staff will attend the site, inspect meter for signs of interference, and where no interference is suspected reseal the meter ² .	Average cost of the associated lost time	180
Call out to Replace damaged Meter	Where a meter has been damaged and a replacement meter is required.	Cost of time and material	199

² Where upon inspection of a site where the meter seals have been broken, there is evidence of probable interference the costs associated with the investigation and repair of equipment should be calculated and charged on a case by case basis.

Third Party Damage – Underground Cables and Equipment

Table 4.2 Third Party Damage –UG Cables and Equipment			
Damage Type	Description	Basis for the Charge	Cost (€) excl. VAT
1	Minor Repair (LV or MV)	Average cost of carrying out this work	1,552
2	LV Mains cable		2,389
3	MV Cable		3,492
4	LV 1 Phase Service Cable		551
5	LV 3 Phase Service Cable		1,746
6	Replace Minipillar or Section Pillar (including excavation and reinstatement)		4,656

Third Party Damage – Overhead Network

Table 4.3 Third Party Damage – Overhead Network			
Damage Type	Description	Basis for the Charge	Cost (€) excl. VAT
1	LV Overhead Service	Average cost of carrying out this work	684
2	LV 3 Phase Mains		3,135
3	MV Overhead Network		1,144
4	Replace LV Pole		3,748
5	Replace Stay		694

Notes on Service and Third Party Damage Charges

1. Charges will be adjusted on an annual basis in line with material costs and labour rates.
2. If an underground service is installed to replace an overhead one at the request of the owner of the property, the owner is required to excavate a trench (both inside and outside the site, as applicable) and provide ducting, all to ESNB specifications and reinstate fully.
3. Standard charges for third party damage to cables apply to LV and MV cables using typical excavation and reinstatement charges for tarmac concrete surfaces only. There will be situations where repair costs are not covered by standard charges, and in such situations individual costs will be collected. Examples of such instances include:
 - Damage to 38kV or higher voltage cables
 - Standard charges assume tarmac or concrete surfaces. Where other surfaces apply, e.g. cobble lock, granite paving, individual costs are required
 - Standard charges assume excavation of three metre trench cable repairs. Where the extent of damage exceeds this, individual costs are required
 - There may be other special requirements, e.g. traffic management, archaeological supervision of site etc., which are not covered by standard charges and these should be individually costed
4. The above standard charge for third party damage to LV service cable should be used for normal domestic single phase cables only and where the damage has occurred in a grassed area. In hard surface areas e.g. concrete or bitumen, the full actual cost of repairing the damage should be charged.
5. The above standard charges apply in the case of the specified damage types only. In the event of damage to other ESB assets, the full cost of repairs will be charged.

5. Transactional Charges for Additional Services to Use of System.

About this section

This section details the charges for services carried out on foot of special requests made by Electricity Suppliers. Standard Distribution Services covered by use of system will not be the subject of these charges. The rules under which these charges are applied are approved by CRU and contained in a document titled 'Rules for Application of Transactional Charges for Additional Services to Use of System'.

The following conditions apply:

- Must be in accordance with the Networks Code of Practice where relevant.
- The charges in the Tables below are based on Normal Working hours. Specific times outside normal hours may not be guaranteed. Services carried out outside of normal working hours are subject to a charge equal to the appropriate charge in the table below multiplied by a factor of 1.5.
- For non-standard de-energisations which involve additional work over the normal means of de-energisation (movement of any isolator, breaker, switch or the removal of any fuse), individually assessed charges will be quoted. A rights of entry (if required) is to be provided by the supplier.
- The way in which some additional services are provided will depend on site-specific requirements and/or Supplier instructions.
- All prices exclude VAT.

Transaction Charges for Energisation, De-Energisation and Metering Services

Table 5.1 Transaction Charges

No	Type of Additional Service	Charge Code	Charge (€) (excl VAT)
1	Visit to energise the connection point: For each visit to premises at the Supplier's request to energise a connection point.	A1	70
2	Visit to de-energise: not actioned For each visit to a premises at the Supplier's request and the request is not actioned through no fault of DSO (cases specified in the Networks Code of Practice).	A2	70
3	Visit to de-energise: For each visit to a premises at the Supplier's request for any reason, resulting in de-energisation by withdrawal of fuses.	A3	70
4	Visit to disconnect: Where the User requests the disconnection of a site.	A4	160
5	Visit to Read Meter (Special Read): Where the Supplier requests an unscheduled meter reading.	A5	66
6	Major Meter Test: Visit and carry out major meter test	A6	239
7	Check meter Accuracy	A7	168
8	Meter Exchanges: <ul style="list-style-type: none"> ▪ From ST to DT - Single Phase Whole Current¹ ▪ From DT to ST - Single Phase Whole Current² ▪ From GP to MD (kWh Meter to MFM) ▪ MD meter for MFM meter plus signals. 	A8 A9 A10 A11	170 170 363 451
9	Install/remove signals - existing MFM meter	A12	139
10	Installation of an additional kWh meter and time-switch for NSH circuit	A13	165
11	Reconfigure MFM meter	A14	100

¹ This charge is waived on the first occasion that a customer elects to switch from a single tariff meter to a double tariff meter at a specified connection point. The standard A8 charge applies to the second and subsequent meter changes at that connection point.

² Also covers removal of NSH meter and time-switch.

Sliding Scale of Transactional Charges

A sliding scale of charges applies to those situations where DSO undertakes multiple energisations, de-energisations or disconnections at the same site. Savings in travel time and job set-up time are reflected in a sliding scale of charges as listed below.

Table 5.2 Sliding Scale of Transaction Charges

Table 5.2 Sliding Scale of Transaction Charges			
No. of Meters at the same site	A1 Visit to energise. Charge € (excl VAT)	A3 Visit to de-energise. Charge € (excl VAT)	A4 Visit to disconnect. Charge € (excl VAT)
1 meter	70	70	160
2 meters	85	85	193
3 meters	100	100	226
4 meters	116	116	260
5 meters	131	131	293
6 meters	146	146	326
7 meters	161	161	359
8 meters	177	177	392
9 meters	192	192	426
10 meters	207	207	459
11 meters	222	222	492
12 meters	237	237	525
13 meters	253	253	558
14 meters	268	268	592
15 meters	283	283	625
16 meters	298	298	-
17 meters	313	313	-
18 meters	329	329	-
19 meters	344	344	-
20 meters	359	359	-
21 meters	374	374	-
22 meters	390	390	-
23 meters	405	405	-
24 meters	420	420	-
25 meters	435	435	-
26 meters	450	450	-
27 meters	466	466	-
28 meters	481	481	-